

Molecular and Cellular Biochemistry:

An International Journal for Chemical Biology in Health and Disease

CONTENTS VOLUME 282, Nos. 1 & 2, January 2006

X. Yi, J. Wang, D.-W. Seol and Z. Dong: Characterization of cell clones stably transfected with short form caspase-9: Apoptotic resistance and Bcl-XL expression	1-12
R.P. Singh, S. Kumar, R. Nada and R. Prasad: Evaluation of copper toxicity in isolated human peripheral blood mononuclear cells and its attenuation by zinc: <i>ex vivo</i>	13-21
P.T. Sudharsan, Y. Mythili, E. Selvakumar and P. Varalakshmi: Lupeol and its ester ameliorate the cyclophosphamide provoked cardiac lysosomal damage studied in rat	23-29
E. Öz, D. Erbaş, H.S. Sürücü and E. Düzgün: Prevention of doxorubicin-induced cardiotoxicity by melatonin	31-37
M. Banaszewska and G.W. Konat: Nucleotides induce higher order chromatin degradation	39-43
S.H. Do, W.I. Jeong, D.H. Jeong, M.-R. Ki, I.-S. Lee, D.-M. Kwak, T.H. Kim, Y.K. Kim, S.-B. Kim and K.-S. Jeong: Alcohol-induced bone degradation and its early detection in the alcohol-fed castrated rats	45-52
H.M. Nef, H. Möllmann, W. Skwara, B. Böck, R.H.G. Schwinger, Ch. Hamm, S. Kostin, J. Schaper and A. Elsässer: Reduced sarcoplasmic reticulum Ca^{2+} -ATPase activity and dephosphorylated phospholamban contribute to contractile dysfunction in human hibernating myocardium	53-63
R. Morelli, S. Das, A. Bertelli, R. Bollini, R. Lo Scalzo, D.K. Das and M. Falchi: The introduction of the stilbene synthase gene enhances the natural antiradical activity of <i>Lycopersicon esculentum</i> mill	65-73
S. Dhingra and M.P. Bansal: Attenuation of LDL receptor gene expression by selenium deficiency during hypercholesterolemia	75-82
F. Ozguner, Y. Bardak and S. Comlekci: Protective effects of melatonin and caffeic acid phenethyl ester against retinal oxidative stress in long-term use of mobile phone: A comparative study	83-88
I. Znoyko, M. Trojanowska and A. Reuben: Collagen binding $\alpha_2\beta_1$ and $\alpha_1\beta_1$ integrins play contrasting roles in regulation of Ets-1 expression in human liver myofibroblasts	89-99
H. Orimo and T. Shimada: Effects of phosphates on the expression of tissue-nonspecific alkaline phosphatase gene and phosphate-regulating genes in short-term cultures of human osteosarcoma cell lines	101-108
A.M. Gutiérrez, G.R. Reboledo, S.M. Mosca and A. Catalá: A low degree of fatty acid unsaturation leads to high resistance to lipid peroxidation in mitochondria and microsomes of different organs of quail (<i>Coturnix coturnix japonica</i>)	109-115
Y.Q. Liu, X.L. Duan, Y.Z. Chang, H.T. Wang and Z.M. Qian: Molecular analysis of increased iron status in moderately exercised rats	117-123
D.A. Kumar, K. Settu, K.V.S.N. Raju, K. Kumanan, B.M. Manohar and R. Puvanakrishnan: Inhibition of nitric oxide and caspase-3 mediated apoptosis by a tetrapeptide derivative (PEP1261) in cultured synovial fibroblasts from collagen-induced arthritis	125-139
M. Wu and Y.-G. Li: The expression of CD40-CD40L and activities of matrix metalloproteinases in atherosclerotic rats	141-146
C.D.R. Gowda, R. Rajesh, A. Nataraju, B.L. Dhananjaya, A.R. Raghupathi, T.V. Gowda, B.K. Sharath and B.S. Vishwanath: Strong myotoxic activity of <i>Trimeresurus malabaricus</i> venom: Role of metalloproteases	147-155
M.K. Kashyap, S.V. Saxena, M. Khullar, H. Sawhney and K. Vasishta: Role of anion gap and different electrolytes in hypertension during pregnancy (preeclampsia)	157-167
R. Sampathkumar, M. Balasubramanyam, C. Tara, M. Rema and V. Mohan: Association of hypoglutathionemia with reduced Na^+/K^+ ATPase activity in type 2 diabetes and microangiopathy	169-176
J. Jiang, V. Yuen, H. Xiang and J.H. McNeill: Improvement in cardiac function of diabetic rats by bosentan is not associated with changes in the activation of PKC isoforms	177-185
Ç. Özer, Ş. Gülen, E. Dileköz, A. Babül and Z.S. Ercan: The effect of systemic leptin administration on aorta smooth muscle responses in diabetic rats	187-191
Index to Volume 282	193-195
Instructions for authors	197

Available
online

www.springerlink.com

Index to Volume 282

- Babül A, *see* Özer Ç *et al*
- Balasubramanyam M, *see* Sampathkumar R *et al*
- Banaszewska M, Konat GW: Nucleotides induce higher order chromatin degradation 39–43
- Bansal MP, *see* Dhingra S *et al*
- Bardak Y, *see* Ozguner F *et al*
- Bertelli A, *see* Morelli R *et al*
- Bölck B, *see* Nef HM *et al*
- Bollini R, *see* Morelli R *et al*
- Catalá A, *see* Gutiérrez AM *et al*
- Chang YZ, *see* Liu YQ *et al*
- Comlekci S, *see* Ozguner F *et al*
- Das DK, *see* Morelli R *et al*
- Das S, *see* Morelli R *et al*
- Dhananjaya BL, *see* Gowda CDR *et al*
- Dhingra S, Bansal MP: Attenuation of LDL receptor gene expression by selenium deficiency during hypercholesterolemia 75–82
- Dileköz E, *see* Özer Ç *et al*
- Do SH, Jeong WI, Jeong DH, Ki M-R, Lee I-S, Kwak D-M, Kim TH, Kim YK, Kim S-B, Jeong K-S: Alcohol-induced bone degradation and its early detection in the alcohol-fed castrated rats 45–52
- Dong Z, *see* Yi X *et al*
- Duan XL, *see* Liu YQ *et al*
- Düzgün E, *see* Öz E *et al*
- Elsässer A, *see* Nef HM *et al*
- Erbaş D, *see* Öz E *et al*
- Ercan ZS, *see* Özer Ç *et al*
- Falchi M, *see* Morelli R *et al*
- Gutiérrez AM, Reboredo GR, Mosca SM, Catalá A: A low degree of fatty acid unsaturation leads to high resistance to lipid peroxidation in mitochondria and microsomes of different organs of quail (*Coturnix coturnix japonica*) 109–115
- Gülen Ş, *see* Özer Ç *et al*
- Gowda CDR, Rajesh R, Nataraju A, Dhananjaya BL, Raghupathi AR, Gowda TV, Sharath BK, Vishwanath BS: Strong myotoxic activity of *Trimeresurus malabaricus* venom: Role of metalloproteases 147–155
- Gowda TV, *see* Gowda CDR *et al*
- Hamm Ch, *see* Nef HM *et al*
- Jeong DH, *see* Do SH *et al*
- Jeong K-S, *see* Do SH *et al*
- Jeong WI, *see* Do SH *et al*
- Jiang J, Yuen V, Xiang H, McNeill JH: Improvement in cardiac function of diabetic rats by bosentan is not associated with changes in the activation of PKC isoforms 177–185
- Kashyap MK, Saxena SV, Khullar M, Sawhney H, Vasishtha K: Role of anion gap and different electrolytes in hypertension during pregnancy (preeclampsia) 157–167
- Khullar M, *see* Kashyap MK *et al*
- Ki M-R, *see* Do SH *et al*
- Kim S-B, *see* Do SH *et al*
- Kim TH, *see* Do SH *et al*
- Kim YK, *see* Do SH *et al*
- Konat GW, *see* Banaszewska M *et al*
- Kostin S, *see* Nef HM *et al*
- Kumanan K, *see* Kumar DA *et al*
- Kumar DA, Settu K, Raju KVS, Kumanan K, Manohar BM, Puvanakrishnan R: Inhibition of nitric oxide and caspase-3 mediated apoptosis by a tetrapeptide derivative (PEP1261) in cultured synovial fibroblasts from collagen-induced arthritis 125–139

- Kumar S, *see* Singh RP *et al*
 Kwak D-M, *see* Do SH *et al*
 Lee I-S, *see* Do SH *et al*
 Li Y-G, *see* Wu M *et al*
 Liu YQ, Duan XL, Chang YZ, Wang HT, Qian ZM: Molecular analysis of increased iron status in moderately exercised rats 117-123
 Manohar BM, *see* Kumar DA *et al*
 McNeill JH, *see* Jiang J *et al*
 Mohan V, *see* Sampathkumar R *et al*
 Möllmann H, *see* Nef HM *et al*
 Morelli R, Das S, Bertelli A, Bollini R, Scalzo RL, Das DK, Falchi M: The introduction of the stilbene synthase gene enhances the natural antiradical activity of *Lycopersicon esculentum* mill 65-73
 Mosca SM, *see* Gutiérrez AM *et al*
 Mythili Y, *see* Sudharsan PT *et al*
 Nada R, *see* Singh RP *et al*
 Nataraju A, *see* Gowda CDR *et al*
 Nef HM, Möllmann H, Skwara W, Bölck B, Schwinger RHG, Hamm Ch, Kostin S, Schaper J, Elsässer A: Reduced sarcoplasmic reticulum Ca^{2+} -ATPase activity and dephosphorylated phospholamban contribute to contractile dysfunction in human hibernating myocardium 53-63
 Orimo H, Shimada T: Effects of phosphates on the expression of tissue-nonspecific alkaline phosphatase gene and phosphate-regulating genes in short-term cultures of human osteosarcoma cell lines 101-108
 Öz E, Erbaş D, Sürücü HS, Düzgün E: Prevention of doxorubicin-induced cardiotoxicity by melatonin 31-37
 Özer Ç, Gülen Ş, Dileköz E, Babül A, Ercan ZS: The effect of systemic leptin administration on aorta smooth muscle responses in diabetic rats 187-191
 Ozguner F, Bardak Y, Comlekci S: Protective effects of melatonin and caffeic acid phenethyl ester against retinal oxidative stress in long-term use of mobile phone: A comparative study 83-88
 Prasad R, *see* Singh RP *et al*
 Puvanakrishnan R, *see* Kumar DA *et al*
 Qian ZM, *see* Liu YQ *et al*
 Raghupathi AR, *see* Gowda CDR *et al*
 Rajesh R, *see* Gowda CDR *et al*
 Raju KVS, *see* Kumar DA *et al*
 Reboredo GR, *see* Gutiérrez AM *et al*
 Rema M, *see* Sampathkumar R *et al*
 Reuben A, *see* Znoyko I *et al*
 Sampathkumar R, Balasubramanaym M, Tara C, Rema M, Mohan V: Association of hypoglutathionemia with reduced $\text{Na}^{+}/\text{K}^{+}$ ATPase activity in type 2 diabetes and microangiopathy 169-176
 Sawhney H, *see* Kashyap MK *et al*
 Saxena SV, *see* Kashyap MK *et al*
 Scalzo RL, *see* Morelli R *et al*
 Schaper J, *see* Nef HM *et al*
 Schwinger RHG, *see* Nef HM *et al*
 Selvakumar E, *see* Sudharsan PT *et al*
 Seol D-W, *see* Yi X *et al*
 Settu K, *see* Kumar DA *et al*
 Sharath BK, *see* Gowda CDR *et al*
 Shimada T, *see* Orimo H *et al*
 Singh RP, Kumar S, Nada R, Prasad R: Evaluation of copper toxicity in isolated human peripheral blood mononuclear cells and its attenuation by zinc: *ex vivo* 13-21
 Skwara W, *see* Nef HM *et al*
 Sudharsan PT, Mythili Y, Selvakumar E, Varalakshmi P: Lupeol and its ester ameliorate the cyclophosphamide provoked cardiac lysosomal damage studied in rat 23-29
 Sürücü HS, *see* Öz E *et al*
 Tara C, *see* Sampathkumar R *et al*
 Trojanowska M, *see* Znoyko I *et al*
 Varalakshmi P, *see* Sudharsan PT *et al*
 Vasishta K, *see* Kashyap MK *et al*
 Vishwanath BS, *see* Gowda CDR *et al*

Wang HT, *see* Liu YQ *et al*

Wang J, *see* Yi X *et al*

Wu M, Li Y-G: The expression of CD40-CD40L and activities of matrix metalloproteinases in atherosclerotic rats 141-146

Xiang H, *see* Jiang J *et al*

Yi X, Wang J, Seol D-W, Dong Z: Characterization of cell clones stably transfected with short form caspase-9: Apoptotic resistance and Bcl-XL expression 1-12

Yuen V, *see* Jiang J *et al*

Znoyko I, Trojanowska M, Reuben A: Collagen binding $\alpha_2\beta_1$ and $\alpha_1\beta_1$ integrins play contrasting roles in regulation of Ets-1 expression in human liver myofibroblasts 89-99